Amendments to the Claims

1-11   (Canceled)

12.   (Currently Amended)   An apparatus for detecting a residual drying time of a clothes dryer, comprising:

a moisture detector for detecting a quantity of moisture contained in clothes in clothes dryer;

a temperature detector for detecting an outlet temperature of a drum of the clothes dryer;

a controller for reading a residual drying time corresponded to a~~sum of~~ the moisture quantity and ~~a variation of~~ the outlet temperature value of the drum from a storage storing a pre-calculated residual drying time on the basis of the moisture quantity and the outlet temperature value of the drum; and

a display for displaying the read residual drying time according to the control signal of the controller.

13.   (Original)   The apparatus of claim 12, wherein the storage includes a first look-up table showing an estimated drying time pre-calculated according to the moisture quantity and the outlet temperature value of the drum and a second look-up table showing an estimated cooling time pre-calculated according to the moisture quantity and the outlet temperature value of the drum.

14.   (Original)   The apparatus of claim 12, wherein the controller reduces the read residual drying time with the passage of time and displays the reduced time.

15.   (Currently Amended)   A method for detecting a residual drying time of a clothes dryer, comprising:

reducing a preset early clothes drying time in early operation of a clothes dryer with the passage of time and displaying the reduced time on a display in real-time;

detecting a quantity of moisture contained in clothes in a drum of the clothes dryer and an outlet temperature of the drum;

reading a residual clothes drying time corresponded to a sum of the detected moisture quantity and a variation in temperature value from a memory storing a residual drying time pre-calculated on the basis of the moisture quantity and outlet temperature value of the drum; and

displaying the read residual drying time in real-time;

wherein the residual drying time includes an estimated drying time and an estimated cooling time.